PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JULIEN SENEGAS	12/16/2011
JENS VON BERG	12/07/2011
ERIC COHEN-SOLAL	01/09/2012
SEBASTIAN PETER MICHAEL DRIES	01/04/2013
MICHAEL CHUN-CHIEH LEE	12/20/2011
TIM NIELSEN	12/14/2011
STEFANIE REMMELE	12/07/2011
TORBJORN VIK	12/14/2011

RECEIVING PARTY DATA

Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.
Street Address:	GROENEWOUDSEWEG 1
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5621 BA

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13993088	

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 914-945-6000

Email: patti.demichele@philips.com

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ATTORNEY DOCKET NUMBER: 2010P01220WOUS PATENT

502379084 REEL: 030583 FRAME: 0753

13993088

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NAME OF SUBMITTER:	Benjamin Y. Han	
Signature:	/Benjamin Y. Han/	
Date:	06/11/2013	
Total Attachments: 7 source=2010P01220WOUS_Assignment#page1.tif source=2010P01220WOUS_Assignment#page2.tif source=2010P01220WOUS_Assignment#page3.tif source=2010P01220WOUS_Assignment#page4.tif source=2010P01220WOUS_Assignment#page5.tif source=2010P01220WOUS_Assignment#page6.tif source=2010P01220WOUS_Assignment#page6.tif		

PATENT REEL: 030583 FRAME: 0754

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application: Is executed concurrently herewith was executed by me/us/on was filed on., having a Serial No. was filed on. 2011-Dec-07, having an International Application No. PCT/IB2011/055511, and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications. I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives. I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I/We certify that I/we have the full right to convey the above rights. (sign name here) Assignor (print name here) Julien SENEGAS , Assignor Date (print name here) Jens VON BERG Assignor Eric COHEN-SOLAL Date (print name here) , Assignor Date (print name here) Sebastian Peter Michael DRIES , Assignor Date Michael Chun-chieh LEE (print name here) Assignor (print name here) Tim NIELSEN Date , Assignor Date Stefanie REMMELE (print name here)

Torbjøm VIK

(print name here)

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Page 1 of 1

Torbjern VIK

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∏ is ε	xecuted concurrently herewith
☐ wa	s executed by me/us on
☐ wa	s filed on , having a Serial No
⊠ wa:	s filed on. 2011-Dec-07, having an International Application No. PCT/IB2011/055511,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

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I/We certify that I/we have the full right to convey the above rights.

	(sign name here)		, Assignor
Date	(print name here)	Julien SENEGAS	
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Date	(print rlame here)	Jens VON BERG	
Jan 9 2012	" Hanida	in Sol	, Assignor
Date /	(print/paris/here)	Eric COHEN-SOLAL	
			, Assignor
Date	(print name here)	Sebastian Peter Michael DRIES	
			, Assignor
Date	(print name here)	Michael Chun-chieh LEE	
			, Assignor
Date	(print name here)	Tim NIELSEN	***************************************
			, Assignor
Date	(print name here)	Stefanie REMMELE	
			, Assignor
Date	(print name here)	Torbiern ViK	

Page 1 of 1

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is executed cor	ncurrently herewith			
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was filed on. 20	311-Dec-07, having an Internati	onal Application No. PCT/IB2011/055511,		
and all rights in an	d to said application, and all oth	ner United States, foreign and international pa	itent applications associated	
therewith, based ti	hereon, or claiming priority there	efrom including, but not limited to, any and all	provisionals, non-provisionals	
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I/We certify that I/	we have the full right to convey	the above rights.		
	(sign name here)		, Assignor	
Date	(print name here)	Julien SENEGAS		
			, Assignor	
Date	(print name here)	Jens VON BERG		
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Date	(print name here)	Eric COHEN-SQLAL		
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Date	(print name here)	Sebastian Peter Michael DRIES		
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Date	(print name here)	Michael Chun-chieh LEE	***************************************	
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Date	(print name here)	Tim NIELSEN	•••••••	
			, Assignor	
Date	(print name here)	Stefanie REMMELE		

Page 1 of 1

Torbjørn VIK

(print name here)

Date

U.S.A. Sole/Joint	ASSIGNMENT	Docket No. 2010P01220WOUS

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

	is executed concurrently herewith
	was executed by me/us on
	was filed on, having a Serial No
\boxtimes	was filed on. 2011-Dec-97, having an International Application No. PCT/IB2011/055511,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

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I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

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	(sign name here)		, Assignor
Date	(print name here)	Julien SENEGAS	
			, Assignor
Date	(print name here)	Jens VON BERG	
			, Assignor
Date	(print name here)	Eric COHEN-SOLAL	
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Date	(print name here)	Sebastien Peter Michael DRIES	***************************************
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Date	(print name here)	Michael Chun-chieh LEE	***************************************
			, Assignor
Date	(print name here)	Tim NIELSEN	
			, Assignor
Date	(print name here)	Stefanie REMMELE	
			, Assignor
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and assign, and trans N.V., having a place	ifer the entire and exclusive of business at Groenewoud	we acknowledge receipt, I/we as a below-n right, title, and interest in the following to h seweg 1, 5621 BA Eindhoven, the Netherla ollectively "the Assignee") my/our invention	Coninklijke Philips Electronics ands, its successors, assigns, and
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Date	(print name here)	Sebastian Peter Michael DRIES	, Assignor
Date	(print name here)	Michael Chun-chieh LEE	***************************************
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Page 1 of 1

Torbjørn VIK

Stefanie REMMELE

(print name here)

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	(sign name here)		, Assignor
Date	(print name here)	Julien SENEGAS	, Assignor
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Date	(print name here)	Sebastian Peter Michael DRIES	, Assignor
Date	(print name here)	Michael Chun-chieh LEE	, Assignor
	0		, Assignor
Date 2.7.	(print name here)	Tim-NELSEN	. Assignor
<u>9 - 24 - 2014</u> Date (*)	(print name here)	Stelanie REMMELE	
Date	(print name here)	Torbjørn ViK	, Assignor
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Page 1 of 1

PATENT REEL: 030583 FRAME: 0761